Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/10/2020 10:10 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124781	-1	2.39	124962	2.36
Blue	F	SSC	125000	124804	-1	2.36	125559	2.27
Blue	E	FITC	15892	15394	-4	2.99	336	20.19
Blue	D	PE	29999	29181	-3	2.15	636	15.03
Blue	B	PerCP-Cy5-5	43732	43092	-2	3.92	1157	20.92
Blue	A	PE-Cy7	30845	30769	-1	6.24	581	41.99
Red	C	APC	46112	44949	-3	2.54	1585	12.02
Red	A	APC-Cy7	30458	29824	-3	2.43	789	11.75
Violet	B	V450	7918	7609	-4	4.18	441	12.98
Violet	A	V500	32171	31185	-4	4.01	732	10.30

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16715	10.09	632	11	N/A	N/A	Pass
Blue	F	SSC	57500	1.59	573	14	N/A	N/A	Pass
Blue	E	FITC	61	65.51	548	5	0.0202	165	Pass
Blue	D	PE	133	51.01	554	6	0.1594	282	Pass
Blue	B	PerCP-Cy5-5	213	51.74	660	4	0.0086	75	Pass
Blue	A	PE-Cy7	110	103.97	703	5	0.0105	19	Pass
Red	C	APC	379	24.86	586	2	0.0250	139	Pass
Red	A	APC-Cy7	173	28.24	557	1	0.0058	939	Pass
Violet	B	V450	67	58.41	460	2	0.0487	1933	Pass
Violet	A	V500	108	34.64	476	2	0.0249	1050	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.68	-32.25	1.02
Blue	20.36	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.43
Red	17.11	13.60 - 20.40	N/A	N/A	29.68	30.14	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9671

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments